

Appl. No. 09/470,100
Amtd. Dated February 4, 2005
Reply to Office Action of November 4, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for programming a set-top box, comprising:
generating an electronic system guide identifying a plurality of sources providing signals to the set-top box; and
displaying a user-selected option within the electronic system guide that, when selected, causes an auto-program to be processed, the auto-program being instructions adapted for:
displaying at least one pop-up for selecting a first source of the plurality of sources from the electronic system guide as a first default source; selecting and a second source of the plurality of sources as a second default source;
detecting whether a channel number associated with an incoming signal is a non-overlapping channel number or an overlapping channel number; and
automatically programming the channel number to tune to a station for receiving television programs provided by the selected first default source in response to the channel number being the non-overlapping channel number and programming the channel number to tune to a station receiving television programs provided by the selected second default source in response to the channel number being the overlapping channel number.
2. (Currently Amended) The method of claim 1, wherein the displaying of the at least one pop-up further comprises: generating a menu listing a satellite source and a cable source for a user to select the non-overlapping channel number to tune to a station for receiving television programs provided by a selected one of the satellite source and cable source.
3. (Currently Amended) The method of claim 1, wherein the displaying of the at least one pop-up further comprises: generating a menu listing a local TV antenna source for and a satellite source for a user to select the non-overlapping channel number to tune to a station

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for receiving television programs provided by a selected one of the local TV antenna source and the satellite source.

4. (Previously Presented) The method of claim 1, wherein prior to selecting the second source of the plurality of sources, the method comprising generating a menu listing sources of the plurality of sources, including the second source, for the user to select as the selected second source.

5. (Previously Presented) A system for providing a default source to at least one channel number usable by a plurality of sources providing a station to transmit television programs, comprising:

a processor configured to generate an electronic system guide identifying the plurality of sources; and

a selector controlled by the processor to 1) select a first default source of the plurality of sources in response to detecting a non-overlapping channel number for television programs provided by the plurality of sources and automatically program the system to tune to a station for receiving television programs provided by the first default source, and 2) select a second default source of the plurality of sources in response to detecting an overlapping channel number for television programs provided by the plurality of sources and automatically program the system to tune to a station for receiving television programs provided by the second default source.

6. (Original) The system of claim 5, wherein the processor is also configured to generate a menu listing a satellite source and a cable source for a user to select such that the at least one channel number tunes to a station for receiving television programs provided by a selected one of the satellite source and cable source.

7. (Original) The system of claim 5, wherein the processor is also configured to generate a menu listing a local TV antenna source and a satellite source for a user to select such that the at least one channel number tunes to a station for receiving television programs provided by a selected one of the local TV antenna source and satellite source.

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8. (Original) The system of claim 5, wherein the television programs are transmitted using one of an analog signal and a digital signal.

9-11. (Cancelled.)

12. (Currently Amended) A method comprising:
selecting a first default source for overlapping channel numbers being channel numbers used by a plurality of sources;

determining if any of the channel numbers used by the plurality of sources are overlapping channel numbers, ~~wherein and in response to determining if there are any~~
overlapping channel numbers,

listing the plurality of sources using the overlapping channel numbers,

selecting a second default source among the listed plurality of sources to program the overlapping channel numbers, and

automatically programming the overlapping channel numbers to tune to a station for receiving television programs provided by the selected second source, and

in response to determining that any of the channel numbers used by the plurality of sources are non-overlapping channel numbers, automatically programming the non-overlapping channel numbers to tune to a station for receiving television programs provided by the selected first default source.

13. (Original) The method of claim 12, further comprising:

if there are no overlapping channel numbers,

programming the channel numbers to tune to a station for receiving television programs provided by the selected first source.

14. (Original) The method of claim 12, wherein selecting a first source selects one of a local TV antenna source, cable source, and satellite source.

15. (Original) The method of claim 12, wherein selecting a second source selects one of a local TV antenna source, cable source, and satellite source.

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16-17. (Cancelled.)

18. (Previously Presented) A system for providing a default source to channel numbers, comprising:

a processor configured to (1) generate an electronic system guide including an auto-program option to automatically program the channel numbers by a first default source and a second default source, (2) determine if there are overlapping channel numbers among the channel numbers, (3) automatically programming each overlapping channel number to tune to the second default source in response to determining there are overlapping channel numbers, and (4) automatically programming any non-overlapping channel number to tune to the first default source in response to determining there are non-overlapping channel numbers among the channel numbers; and

a selector controlled by the processor to (1) select the first default source such that the non-overlapping channel numbers tune to a station for receiving television programs provided by the first default source, and (2) select the second default source such that the overlapping channel numbers tune to a station for receiving television programs provided by the second default source.

19. (Previously Presented) The system of claim 18, wherein the first default source is one of a local TV antenna source, cable source, and satellite source.

20. (Previously Presented) The system of claim 18, wherein the second default source is one of a local TV antenna source, cable source, and satellite source.

21. (Currently Amended) An article of manufacture including one or more computer readable media with executable instructions therein, which, when executed by a processing device causes the processing device to:

display at least one pop-up for selecting a first source of the plurality of sources from the electronic system guide as a first default source and a second source of the plurality of sources as a second default source.

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detect whether a channel number associated with an incoming signal is a non-overlapping channel number or an overlapping channel number; and
automatically programming the channel number to tune to a station for receiving television programs provided by the selected first default source in response to the channel number being the non-overlapping channel number and programming the channel number to tune to a station receiving television programs provided by the selected second default source in response to the channel number being the overlapping channel number.
~~select a first default source to program channel numbers;~~
~~determine if there are overlapping channel numbers, the overlapping channel numbers being usable by a plurality of programming sources; and~~
~~if there are overlapping channel numbers,~~
~~list a plurality of second default sources;~~
~~select a second default source among the listed plurality of second default sources to program the overlapping channel numbers, and~~
~~automatically program the overlapping channel numbers to tune to a station provided by the selected second default source and automatically program any non-overlapping channel numbers to tune to a station provided by the selected first default source.~~

22. (Previously Presented) The system of claim 18, wherein the overlapping channel numbers are channel numbers that are used by a first plurality of channel numbers associated with the first default source and a second plurality of channel numbers associated with the second default source.

23. (Previously Presented) The system of claim 18, wherein the selection of the first default source and the second default source is automatic.